

**AMENDMENTS TO THE ABSTRACT**

Please replace the Abstract with the one presented below:

A method of processing skin surface observation measuring data which is able to address various sicknesses and reduce an error in sickness detection, and a measuring apparatus requiring no filter. The measuring apparatus an irradiator applying a white light to a biological surface as a sample, a detector detecting the spectra of the white light reflected off a plurality of positions on the biological surface, a plotter plotting the absorbances of the above spectra to a light spectrum multi-dimensional space, an analyzer subjecting data in the spectrum multi-dimension space obtained from the plurality of positions to multivariate analysis to determine the eigenvectors of at least first, second and third principal components, and a display projecting data at respective positions in respective eigenvector directions to display their magnitudes on a two-dimension display screen on a gray scale or in colors corresponding to the magnitudes; and a measuring method by the apparatus.